MILATARI NEWSLETTER

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NEXT MEETING

SATURDAY, December 18, 1982
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FEATURES THIS ISSUE
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MAGIC LOOKING GLASS
- by Don Wilcox -

PRESIDENT'S RAM
- BY Gary Nolan -

BRAIN PUZZLE #5

PROGRAM REVIEWS

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ATARI UNVEILS NEW COMPUTER

(From press release in 12/14/82 Milwaukee Sentenal)

ATARI INC. on Monday unveiled the 1200XL, a home computer that can use existing Atari programs. It described the unit as the most powerful home computer on the market. The machine has 64K of random-access memory, meaining its built-in storage component can hold more than 64,000 characters that can be changed at will. Prices for the 1200XL will be announced next month, but it should sell for less than $1000 and deliveries are shceduled to begin within the next four months, Atari said.

MILATARI LOOKING FOR A MEETING HALL

We are busting at the seams - people hang from the light fixtures - the loading factor of the floor has been exceeded. Please check your neighborhood for church halls, fire stations, pool hall, etc., that would be willing to put up with 100 computer crazies for 4 hours the 3rd Saturday of each month. We can't pay a lot but we do add a lot of class to the joint. Call Gary Nolan when you find the *RIGHT* location.

PRESIDENT'S RAM
by Gary Nolan

HAPPY BIRTHDAY to US!!!!!
HAPPY BIRTHDAY to US!!!!!

Yes, this is our first (official) birthday. And as promised I'll give you a little backround on MILATARI.

The group started out as most groups do, with 4-5 people getting together on a kind of regular basis. And even though there were a lot of ATARI owners around, there wasn't anyone there to bring them together. That's where Steve Schmidbaur comes in. Steve was working at Video Experience on North Ave. selling among other things ATARI computers. Steve got the idea of bringing the regulars together with some of the people he had sold equiptment to. And so we would meet every 3 to 5 weeks, drawing 15/20 people. In October we moved to Microcomputers & Magic and held three meetings there, when the attendance reached 30/35. We moved to our present site in January, and have been there since. But, as anyone who was at the last meeting can tell you, WE NEED MORE ROOM! So keep your eyes and ears open for larger meeting quarters. Several people have mentioned sites, but for one reason or another they have not worked out. So our thanks to Steve for keeping the group going in the early days and for finding us a home when Video Experiance closed. Maybe we'll see him at one of the meetings soon (hint).

Computers Unlimited is selling ATARI's now. They have equipment and software in stock, and are discounting software 20%. While they may not have everything, they do have a well balanced stock and can get what they don't have within a week or less. Check with them about that. But stop in and check them out.

Also check out the MILATARI BBS (352-2772) for the latest new additions of public domain software. AMODEM 4.2 is now ready for downloading. This updated package now has an upload & download feature for working with larger systems. Another option lets you select from three baud rates, 300,600 and 1200. Also on the board (thanks to board editor Jerry Fenning) are excerpts from Compuserve's SIG ATARI message service.

Some of the programs to be released by ATARI in the comming months are; ET Phone Home(Feb),Programmers Kit,Dig Doug(don'T ask),Time Wise,Zaxxon and Atari Writer, a cartridge based word processor, due after March. Speaking of programs, have you noticed how many cartridges are available. At last count there were 25. Due to be announced at the Winter CES in Jan. is the new computer, the 1200. Latest speculation is that it's a dual(6502/????) processor machine with 64K and built in RS232 & parallel ports able to run CP/M. Which means that it's either a Z80 or one of the newer 16 bit chips. It will be upward but not downward compatible, almost. Graphics are not as good in the high res modes, but most programs should be able to run. Also from ATARI comes news that there is a new president for the Home Computer Div.. His name is John Cavalier and he comes from American Can.(Pop top computers?)

Don Wilcox will be in charge of the MILATARI display at the

<= 2 =>

upcomming computer show. He's going to need lots of bodies to help plan, set-up and run the booth for three days. So avoid the rush. Give Don a call at 228-1650 or see him at the meeting and let him know what areas you can help with. That's a not so subtle hint!

Speaking of help. Those of you who are willing to help fellow members with programming and or technical problems, see me at the meeting or call 353-9716 so I can make up a list for the next newsletter. We tried this once before, but I lost the list with both the names on it.

Before I end this months column I would like to thank all of you for your support and help in the past year. We've come a long way since last December. We had 30 members then, now we're close to if not over 100 total membership. We've done a lot of things we didn't think we could, or would do. As far as we've come, we have a long way we CAN go. With new and better programs and equipment comming out, comes an increase in use of the computer. And with this use come a better understanding of how to use the features of this machine. Hopefully this knowledge will be shared with other members. For that's what a users group is all about, sharing. Sharing not only of knowledge but of time and talents, whatever they may be. For through sharing will we grow, as individuals and as a group.

It's been said many times before and will hopefully be said many times again. WE WISH YOU A MERRY CHRISTMAS AND A HAPPY NEW YEAR...PEACE TO YOU ALL!

The MAGIC LOOKING GLASS

A program by Don Wilcox

The Magic Looking Glass can foretell your future and answer questions about your innermost secret desires. The Magic Looking Glass will answer any question you may ask with either a YEA or with a NAY response.

The program contains a machine language subroutine that is more than would normally be required by a simple program like the Magic Looking Glass. This subroutine is included so you can save it separately for use in next month's program which will allow you to write text graphics modes 3 to 8. I will include a stick routine to move the text characters around on the screen without using player-missile graphics. To save this subroutine for subsequent use in other programs, do the following:

```
LIST "D:TXTPLT",20000,20090
```

This will save lines 20000 through 20090 as a separate program that can be appended to other programs that require the use of text characters in graphics modes of 3 or higher.

(Program listing on next page)

<= 3 =>

```
1 REM DON WILCOX - MAGIC LOOKING GLASS - DECEMBER, 1982
5 DIM A$(15),Z$(40)
10 GRAPHICS 2
12 ? #6:? #6;" WAIT 10 SECONDS"
13 GOSUB 20000
14 GRAPHICS 7:COLOR 2
15 PLOT 85,50:DRAWTO 90,40:DRAWTO 90,20:DRAWTO 85,10:DRAWTO 65,10:DRAWTO 60,20:D
RAWTO 60,40:DRAWTO 65,50
20 DRAWTO 85,50
30 PLOT 90,55:DRAWTO 95,50:DRAWTO 95,10:DRAWTO 90,5:DRAWTO 60,5:DRAWTO 55,10:DRA
WTO 55,50:DRAWTO 60,55:DRAWTO 90,55
40 PLOT 55,50:POSITION 60,55:Q=3:GOSUB 1000
50 PLOT 55,10:POSITION 55,50:Q=3:GOSUB 1000
60 PLOT 60,5:POSITION 55,10:Q=3:GOSUB 1000
70 PLOT 90,40:POSITION 86,50:Q=3:GOSUB 1000
80 PLOT 90,20:POSITION 90,40:Q=3:GOSUB 1000
90 PLOT 85,9:POSITION 90,20:Q=3:GOSUB 1000
110 A$="LOOKING GLASS":X=2:Y=69:C=2:GOSUB 2000
120 A$="MAGIC":X=6:Y=60:C=2:GOSUB 2000
125 FOR S=1 TO 4
130 A$="*":X=INT(RND(0)*4):Y=INT(RND(0)*59):C=2:GOSUB 2000
135 NEXT S
145 FOR S=1 TO 4
150 A$="*":X=INT(RND(0)*4+12):Y=INT(RND(0)*59):C=2:GOSUB 2000
155 NEXT S
180 A$="?":X=8:Y=30:C=1:GOSUB 2000
190 A$="NAY"
195 ? "        TYPE IN YOUR QUESTION"
200 INPUT Z$:IF LEN(Z$)<6 THEN ? "}":GOTO 200
203 IF Z$(LEN(Z$)-2)<Z$(LEN(Z$)-1,LEN(Z$)-1) THEN A$="YEA"
210 X=7:Y=30:C=1:GOSUB 2000
220 FOR K=0 TO 14:POKE 708,0+K:FOR DD=1 TO 9:NEXT DD:NEXT K
225 FOR KK=1 TO 7:POKE 709,63:FOR DD=1 TO 75:NEXT DD:POKE 709,15:FOR DD=1 TO 75:
NEXT DD:NEXT KK
240 A$="   ":POKE 709,15:GOSUB 2000
300 ? "}":GOTO 180
1000 POKE 765,0:XIO 18,#6,0,0,"S:":RETURN
2000 FOR K=1 TO LEN(A$):A=ASC(A$(K,K)):U=USR(1536,A,C,X+K,Y):NEXT K:RETURN
2010 GOTO 2010
20000 ML=1536:FOR I=0 TO 252:READ A:POKE ML+I,A:NEXT I:RETURN :REM A=USR(1536,CH
R,COLOR,COLUMN,ROW)
20010 DATA 104,240,10,201,4,240,11,170,104,104,202,208,251,169,253,76,164,246,10
4,133,195,104,201,128
20020 DATA 144,4,41,127,198,195,170,141,250,6,224,96,176,15,169,64,224,32,144,2,
169,224,24,109,250,6,141,250,6,104
20030 DATA 104,141,251,6,104,104,141,252,6,14,252,6,104,104,141,253,6,133,186,16
5,87,169,10,224,3,240,8,169,20,224
20040 DATA 5,240,2,169,40,133,207,133,187,165,88,133,203,165,89,133,204,32,228,6
,24,173,252,6,101,203,133,203,144
20050 DATA 2,230,204,24,165,203,101,212,133,203,165,204,101,213,133,204,173,250,
6,133,187,169,8,133,186,32,228
20060 DATA 6,165,212,133,205,173,244,2,101,213,133,206,160,0,162,8,169,0,133,208
,133,209,177,205,69,195,72,104
20070 DATA 10,72,144,8,24,173,251,6,5,208,133,208,224,1,240,8,6,208,38,209,6,208,
38,209,202,208,228,104,152,72
20080 DATA 160,0,165,209,145,203,200,165,208,145,203,104,168,24,165,203,101,207,
133,203,144,2,230,204,200,192
20090 DATA 8,208,183,96,169,0,133,212,162,8,70,186,144,3,24,101,187,106,102,212,
202,208,243,133,213,96,0,1,28
```

<=== PROGRAM REVIEWS ===>

GORF
Review by Steve Charles

Being a true arcader I awaited the release of this execllent arcade game for my computer with great zeal. Well to put it frankly, this game wasn't worth the wait. This game omits one of the five missions which gives GORF its' original flavor.

The graphics are nothing to brag about and some of the sounds would turn your stomach. GORF also lost the amount of difficulty in it's translation. After just 2 or 3 games I found myself reaching at least the 15th level without much difficulty.

Don't get me wrong, this game does have it's strong points. But I really feel Roklan Software could have improved this game in many areas. If interested in the game I suggest you ask for a demo first.

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SEAFOX
Review by Steve Charles

Another great game from the people at Broderbund. This hi-res action game puts you at the controls of a deadly submarine. Your Mission......destroy all merchant ships above you. Sound easy.....? Well it certainly isn't. There are many things to thwart your mission. First of all you have enemy submarines start shooting torpedoes and releasing magnetic mines. This game is a definite must for all gamers. A library without SEAFOX is like a home without an ATARI.

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MAGATARI Magazine
Review by David Frazer

MAGATARI is a 'magnetic magazine' published by the Programmer's Institute in Chapel Hill, N.C. They also publish versions for TRS-80 and Apple][computers.

My first issue arrived recently. It consists of a diskette (tape version also available) and a brief 'printed' magazine. The packaging was adequate to servive the postal service.

The 'printed' magazine gives loading instruction and outlines each program contained on the diskette. The printing and editing was of good quality and gives more than sufficient information to run the programs in the diskette.

The issue I received was volume 1, number 7. This issue contains 5 "articles". Two programs - The DATABOSS - a database program that

<= 5 =>

allows you to create any file desired and manipulate the files(i.e. merge and sort files, print reports complete with totals, format entries, do calculations on fields, etc.) and REVERSI - a board game for two players. Another pair of programs demostrate music and sound effects on your ATARI 400/800. These two programs allow you to sample among more than 2 dozen different sounds and will display the subroutines for each if requested.

The "UTITLTY OF THE MONTH" is a machine language program that enhances the screen editor on your ATARI.

The last program is "6502 TUTORIAL - #1". This program displays text on machine language concepts of the 6502 CPU. It combines displaying readable text, examples, and user input routines to teach about binary and hex arithmetic, 8-bit accumulator, 8-bit X & Y registers, program counter and 16-bit stack. A machine langague program to add 2 numbers is worked through.

I feel the material is presented adequately and is worthy of your consideration. (I will demostrate at our next meeting.)

BYTES and NIBBLES

New ATARI SUPER BBS
from David Stellmack (Sysop)

New Atari Super BBS on line 24 hours a day @ (614)476-2035. Features include 24 hour access, 100 meg of disk storage, 6 users on line at once, and a comprehensive mail/message system. To use the system call (614)476-2035. When asked for system ID enter:
    ATRPOST <RETURN>
Use 'DEMO' as your mail code and enjoy the system. Please leave a message and let us know you were on the system!! We are seeking new files to be uploaded!

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Try these POKES

POKE 838,166 and POKE 839,238 together causes everything to be sent to a printer which would normally be printed on the screen. POKE 838,128 and POKE 839,246 to put things back to normal.

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The club is puting another diskette order together. A box of 10 diskettes will be $17.00 - payable in advance. If you are interested, please contact Gary Nolan with your order quanity and payment.

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<= 6 =>

SUPPORTING BUSINESSES

The following businesses offer a discount to members of *MILATARI*. You must show your valid *MILATARI* membership card to receive your discount.

MICROCOMPUTERS and MAGIC
256 1/2 West Broadway Street
Waukesha, Wis 53186
(414)548-0700

MICROAGE COMPUTER STORE
2675 North Mayfair Road
Wauwatosa, Wis 53226
(414)257-1100

L & L Computer Software
141 W. Broadway
Waukesha, Wi 53186
(414)549-5512

Computers Unlimited
115 W. Silver Spring Drive
Milwaukee, Wi 53223
(414)962-3200

Starting Computers, Inc.
4020 N. 128th Street
Brookfield, Wi 53005
(414)781-4444

The Electronic Connection
3931 S. Howell Avenue
Milwaukee, Wi 53207
(414)744-4501

LIBERTYVILLE VIDEO and
                COMPUTER CENTER
Attn: Steve Singer
Cambridge Plaza
Libertyville, Ill 60048
(312)367-8660

BADGER SOFTWARE
Jim Luty
Mail orders:
 4244 W. College Avenue
 Milwaukee, Wi 53221
(414)421-3135

BRAIN PUZZLE

This month I am using a puzzle from the Novemeber 1982 MACE Newsletter (thanks MACE). Be prepared to let your computer run a *LONG* time on this one.

Once there was a king who thought of himself as quite a mathematician. He told a prisoner, "Give me a problem to solve, and you may go free until I solve it. But as soon as I have the answer, off comes your head!" Now the prisoner was rather clever himself and here is the problem he gave the king.

The numbers 220 and 284 are amicable numbers. The sum of the proper divisors of 220 equal 284

$$1+2+4+5+10+11+20+22+44+55+110=284$$

and the sum of the proper divisors of 284 equals 220. Find the next pair of amicable number.

The story goes that the prisoner went free and finally died of old age because the king never solved the problem.

What I am looking for in this puzzle is the longest list of amicable numbers submitted. The CATCH: To prove you did not get the answers form some book, your entry must be a computer printout accompanied by the program.

Send your answers to:

Milatari Puzzle # 5
P.O. Box 1191
Waukesha, Wi 53187-1191

I will send our winning answer into MACE — you could win their prize also.

P.S. Puzzle 4 results will be published in the next issue.

<= 7 =>

This newsletter is written and printed by members of the Milwaukee Area ATARI Users Group (MILATARI), an association of individuals with a common interest in using and programming ATARI computers. MILATARI is not affiliated with the ATARI company, nor any other commercially oriented organizations. Any logos, trademarks or company names are used either with permission or as an informal method of referring to a product or company.

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MEMBERSHIP INFORMATION

Membership is open to individuals and families who are interested in using and programming ATARI computers. The membership includes the subscription to this newsletter and access to the user's library. The membership fee is $12.00 per year. Contact Larry Leskovsek, Treas. at 542-0249 for more information.

MEETING INFORMATION

MILATARI meetings are held once monthly on the third Saturday. The meeting are held in the Community room located in the Waukesha State Bank building. The address is 110 Madison Street, Waukesha, Wis.

The adgenda format is: 3:00 PM - Educational program
4:00 PM - Business meeting
4:30 PM - Feature presentation
5:30 PM - New program presentations

Milwaukee Area ATARI Users Group
c/o David Frazer
P.O. Box 1191
Waukesha, WI   53187-1191

WISHING YOU EVERY HAPPINESS AT CHRISTMAS AND ALWAYS - HAPPY COMPUTING